

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A plate material, comprising:
a ~~plate-like~~ plate substrate being free of protrusions and depressions of submicron order oriented in a thickness direction thereof; and
a substrate coating formed on a surface of the substrate with a ~~paint-like~~ paint material having affinity with respect to the substrate[[]],
the paint material including a multi-component resin as a coating film component.
2. (Currently Amended) The plate material recited claim 1, wherein
the ~~paint-like~~ paint material includes a hydrophobic organic ~~paint-like~~ paint material.
3. (Currently Amended) The plate material recited in claim 1, wherein
a surface tension of the ~~paint-like~~ paint material is equal to or greater than 25 and less than or equal to 35 dyn/cm.
4. (Currently Amended) The plate material recited in claim 1, wherein
the ~~paint-like~~ paint material contains an alcohol-based solvent at a content of 1 to 10 wt%.
5. (Currently Amended) The plate material recited in claim 1, wherein
the ~~paint-like~~ paint material contains an alcohol-based solvent at a content of 1 to 5 wt%.
6. (Previously Presented) The plate material recited in claim 4, wherein
the alcohol-based solvent is made substantially of an alcohol having four or more carbon atoms.
7. (Currently Amended) The plate material recited in claim 1, wherein

the viscosity of the ~~paint-like~~ paint material is equal to or greater than 5 Pa-s and less than or equal to 20 Pa-s.

8. (Currently Amended) The plate material recited in claim 1, further comprising[[:]]

a hydrophilic coating made of a hydrophilic ~~paint-like~~ paint material is provided on a surface of the substrate coating, the substrate coating being formed with a corrosion resistant ~~paint-like~~ paint material and made of a hydrophobic organic compound.

9. (Currently Amended) The plate material recited in claim 8, wherein the hydrophilic ~~paint-like~~ paint material contains a volatile organic solvent.

10. (Previously Presented) A plate material recited in claim 8, wherein the surface of the substrate having the substrate coating has not been subjected to a chromic acid treatment.

11. (Previously Presented) The plate material recited in claim 8, wherein the surface of the substrate having the substrate coating has not been subjected to an oil removal treatment.

12. (Previously Presented) The plate material recited in claim 1, wherein the substrate is made of pure aluminum or an aluminum alloy.

13. (Previously Presented) A heat radiating fin of a heat exchanger including a plate material as recited in claim 1.

14. (Currently Amended) A plate material manufacturing method, comprising:

preparing a ~~plate-like~~ plate substrate being free of protrusions and depressions of submicron order oriented in a thickness direction thereof; and

forming a substrate coating on a surface of the substrate with a ~~paint-like~~ paint material having affinity with respect to the substrate[[.]],

the paint material including a multi-component resin as a coating film component.

15. (Currently Amended) The plate material manufacturing method recited in claim 14, wherein

the ~~paint-like~~ paint material is a hydrophobic organic ~~paint-like~~ paint material.

16. (Currently Amended) The plate material manufacturing method recited in claim 14, wherein

the ~~paint-like~~ paint material has a surface tension of 25 dyn/cm to 35 dyn/cm.

17. (Currently Amended) The plate material manufacturing method recited in claims 14, wherein

the ~~paint-like~~ paint material contains an alcohol-based solvent at a content of 1 to 10 wt%.

18. (Currently Amended) The plate material manufacturing method recited in claim 14, wherein

the ~~paint-like~~ paint material contains an alcohol-based solvent at a content of 1 to 5 wt%.

19. (Previously Presented) The plate material manufacturing method recited in claim 17, wherein

the alcohol-based solvent is made substantially of an alcohol having four or more carbon atoms.

20. (Currently Amended) The plate material manufacturing method recited in claim 14, wherein

the viscosity of the ~~paint-like~~ paint material is equal to or greater than 5 Pa-s and less than or equal to 20 Pa-s.

21. (Currently Amended) The plate material manufacturing method recited in claim 14 further comprising[[:]]

providing a hydrophilic coating on a surface of the substrate coating by applying a hydrophilic ~~paint-like~~ paint material, the substrate coating being formed with a corrosion resistant ~~paint-like~~ paint material and made of a hydrophobic organic compound.

22. (Currently Amended) The plate material manufacturing method recited in claim 21, wherein

the hydrophilic ~~paint-like~~ paint material contains a volatile organic solvent.

23. (Currently Amended) The plate material manufacturing method recited in claim 21, wherein

the corrosion resistant ~~paint-like~~ paint material is applied on the substrate that has not been subjected to a chromic acid treatment.

24. (Currently Amended) The plate material manufacturing method recited in claim 21, wherein

the corrosion resistant ~~paint-like~~ paint material is applied on the substrate that has not been subjected to an oil removal treatment.

25. (Previously Presented) The plate material manufacturing method recited in claim 14, wherein

the substrate is made of pure aluminum or an aluminum alloy.

26. (Previously Presented) The plate material manufacturing method recited in claim 14, further comprising

forming the plate material into a heat radiating fin of a heat exchanger.

27. (New) A plate material, comprising:

a plate substrate being free of protrusions and depressions of submicron order oriented in a thickness direction thereof; and

a substrate coating formed on a surface of the substrate with a paint material having affinity with respect to the substrate,

the paint material including a dual component resin as a coating film component.
28. (New) The plate material recited claim 27, wherein

the paint material includes a hydrophobic organic paint material.
29. (New) The plate material recited in claim 27, wherein

a surface tension of the paint material is equal to or greater than 25 and less than or equal to 35 dyn/cm.
30. (New) The plate material recited in claim 27, wherein

the paint material contains an alcohol-based solvent at a content of 1 to 10 wt%.
31. (New) The plate material recited in claim 27, wherein

the paint material contains an alcohol-based solvent at a content of 1 to 5 wt%.
32. (New) The plate material recited in claim 30, wherein

the alcohol-based solvent is made substantially of an alcohol having four or more carbon atoms.
33. (New) The plate material recited in claim 27, wherein

the viscosity of the paint material is equal to or greater than 5 Pa-s and less than or equal to 20 Pa-s.
34. (New) The plate material recited in claim 27, further comprising

a hydrophilic coating made of a hydrophilic paint material is provided on a surface of the substrate coating, the substrate coating being formed with a corrosion resistant paint material and made of a hydrophobic organic compound.

35. (New) The plate material recited in claim 34, wherein the hydrophilic paint material contains a volatile organic solvent.

36. (New) A plate material recited in claim 34, wherein the surface of the substrate having the substrate coating has not been subjected to a chromic acid treatment.

37. (New) The plate material recited in claim 34, wherein the surface of the substrate having the substrate coating has not been subjected to an oil removal treatment.

38. (New) The plate material recited in claim 27, wherein the substrate is made of pure aluminum or an aluminum alloy.

39. (New) A heat radiating fin of a heat exchanger including a plate material as recited in claim 27.

40. (New) A plate material manufacturing method, comprising:
preparing a plate substrate being free of protrusions and depressions of submicron order oriented in a thickness direction thereof; and

forming a substrate coating on a surface of the substrate with a paint material having affinity with respect to the substrate,

the paint material including a dual component resin as a coating film component.

41. (New) The plate material manufacturing method recited in claim 40, wherein

the paint material is a hydrophobic organic paint material.

42. (New) The plate material manufacturing method recited in claim 40,
wherein

the paint material has a surface tension of 25 dyn/cm to 35 dyn/cm.

43. (New) The plate material manufacturing method recited in claims 40,
wherein

the paint material contains an alcohol-based solvent at a content of 1 to 10 wt%.

44. (New) The plate material manufacturing method recited in claim 40,
wherein

the paint material contains an alcohol-based solvent at a content of 1 to 5 wt%.

45. (New) The plate material manufacturing method recited in claim 43,
wherein

the alcohol-based solvent is made substantially of an alcohol having four or more
carbon atoms.

46. (New) The plate material manufacturing method recited in claim 40,
wherein

the viscosity of the paint material is equal to or greater than 5 Pa-s and less than or
equal to 20 Pa-s.

47. (New) The plate material manufacturing method recited in claim 40
further comprising

providing a hydrophilic coating on a surface of the substrate coating by applying a
hydrophilic paint material, the substrate coating being formed with a corrosion resistant paint
material and made of a hydrophobic organic compound.

48. (New) The plate material manufacturing method recited in claim 47,
wherein

the hydrophilic paint material contains a volatile organic solvent.

49. (New) The plate material manufacturing method recited in claim 47,
wherein

the corrosion resistant paint material is applied on the substrate that has not been
subjected to a chromic acid treatment.

50. (New) The plate material manufacturing method recited in claim 47,
wherein

the corrosion resistant paint material is applied on the substrate that has not been
subjected to an oil removal treatment.

51. (New) The plate material manufacturing method recited in claim 40,
wherein

the substrate is made of pure aluminum or an aluminum alloy.

52. (New) The plate material manufacturing method recited in claim 40,
further comprising

forming the plate material into a heat radiating fin of a heat exchanger.